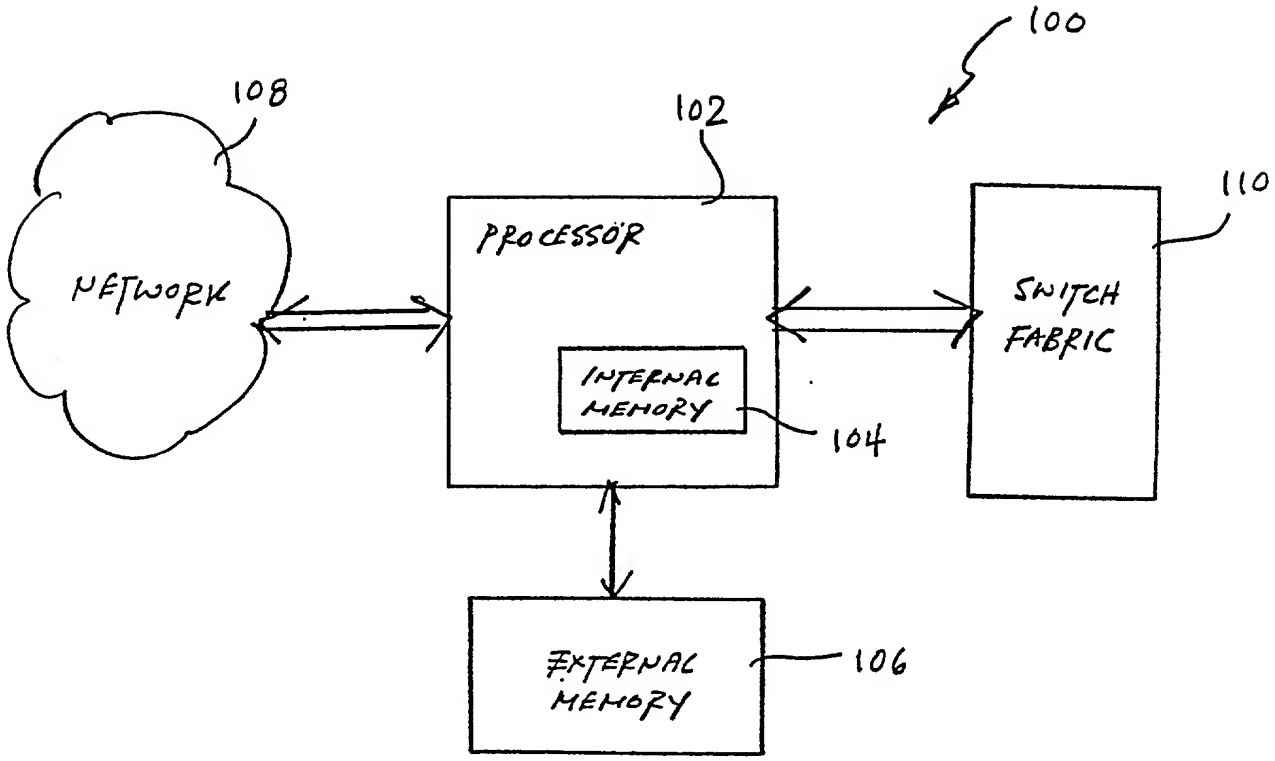

FIG. 1

20030226.0225.0002 - 7095254

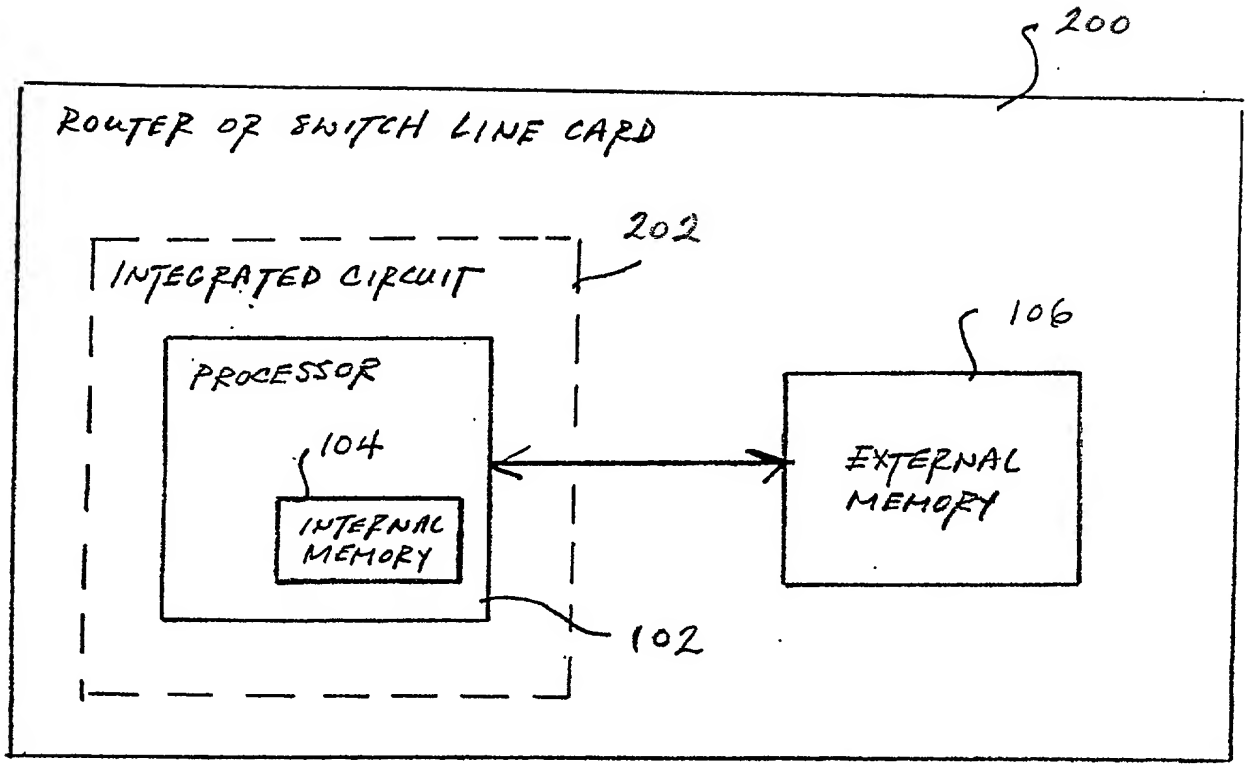

FIG. 2

Docket No. 02-2802

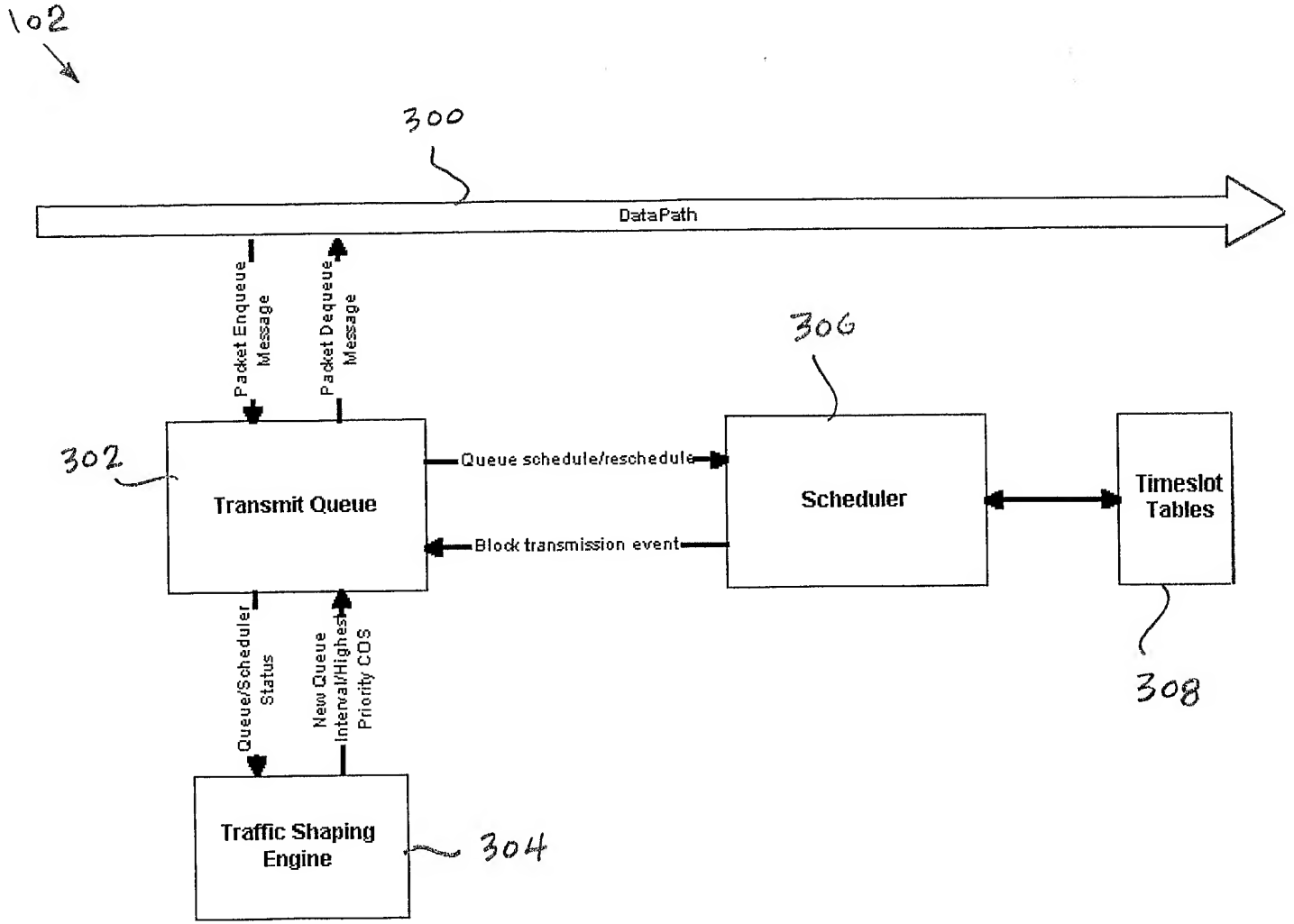
102
300
DataPath
Packet Enqueue Message
Packet Dequeue Message
306
302
Transmit Queue
Queue schedule/reschedule
Block transmission event
Scheduler
Timeslot Tables
308
Queue/Scheduler Status
New Queue Interval/Highest Priority COS
Traffic Shaping Engine
304

FIG. 3

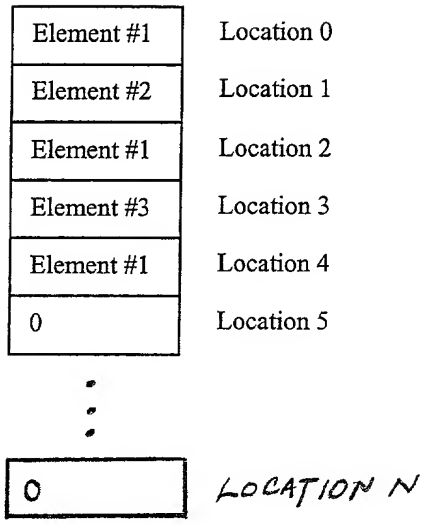

FIG. 4

Pointer	Description
CP	Current Pointer – points to the next element in the table to be transmitted
AP	Actual Pointer – points to the time slot that corresponds to actual time
FP	Free Pointer – points to the next entry that corresponds to an empty slot (no element)

FIG. 5

EP 0 985 279 B1

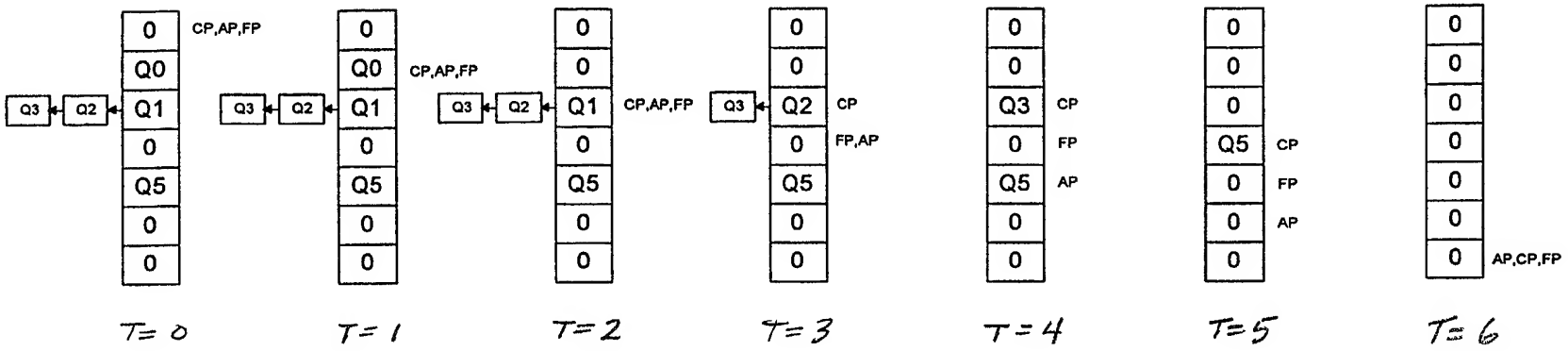
Q3
Q2
Q1
Q0
Q5
0
CP,AP,FP
CP
FP,AP
FP
AP
T= 0
T= 1
T= 2
T= 3
T= 4
T= 5
T= 6

FIG. 6

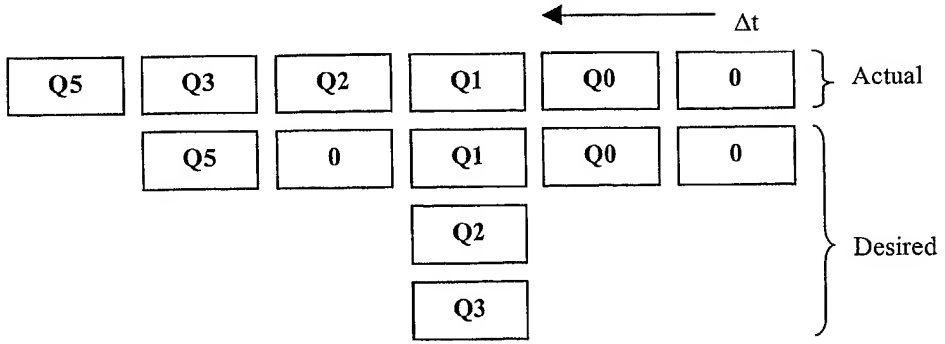
Δt
Q5
Q3
Q2
Q1
Q0
0
Actual
Desired

FIG. 7